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Substitute for form 1449/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				<b>Application Number</b>	10/693,429
				<b>Filing Date</b>	2003-10-23
				<b>First Named Inventor</b>	WALTON; J. Rodney,
				<b>Art Unit</b>	2467
				<b>Examiner Name</b>	Marcus Smith
Sheet	1	of	4	<b>Attorney Docket No:</b> 030417	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2(if known)</sup>			
	001	US5832387	11-03-1998	BAE; Hee-Moon, et al.	
	002	US6163296	12-19-2000	LIER; Erik, et al.	
	003	US6862440	03-01-2005	SAMPATH; Hemanth	
	004	US6987819	01-17-2006	THOMAS; Timothy A., et al.	
	005	US7012978	03-14-2006	TALWAR; Shilpa	
	006	US7095709	08-22-2006	WALTON; Jay R., et al.	
	007	US7298805	11-20-2007	WALTON; J. Rodney, et al.	
	008	US7324429	01-29-2008	WALTON; J. Rodney, et al.	
	009	US7636573	12-22-2009	WALTON; Jay R., et al.	
	010	US7653415	01-26-2010	VAN ROOYEN; Pieter	
	011	US20020072336	06-13-2002	MOTTIER; David	
	012	US20020127978	09-12-2002	KHATRI; Bhavin S.	
	013	US20040052228	03-18-2004	TELLADO; Jose, et al.	
	014	US20050227628	10-13-2005	INANOGLU; Hakan	
	015	US20080285488	11-20-2008	WALTON; J. Rodney, et al.	
	016	US20080285669	11-20-2008	WALTON; J. Rodney, et al.	
	017	US20100183088	07-22-2010	INANOGLU; Hakan	
	018	US20100260060	10-14-2010	ABRAHAM; Santosh, et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where

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STATEMENT BY APPLICANT**

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<b>Examiner Name</b>	Marcus Smith

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		<b>Country Code<sup>3</sup>- Number<sup>4</sup> Kind Code<sup>5</sup>(if known)</b>	<b>MM-DD-YYYY</b>	<b>Relevant Passages or Relevant Figures Appear</b>	<b>T<sup>6</sup></b>
	019	CA2690247A1	10-11-2001	QUALCOMM INC [US]	<input type="checkbox"/>
	020	CN1086061	04-27-1994	ERICSSON GE MOBILE COMMUNICAT.	<input checked="" type="checkbox"/>
	021	EP1133070A2	09-12-2001	MATSUSHITA ELECTRIC IND CO LTD [JP]	<input type="checkbox"/>
	022	RU2157592	10-10-2000	QUALCOMM INCORPORATED.	<input type="checkbox"/>
	023	RU2168278	05-27-2001	KORPORATSIJA SAMSUNG EHLEKTRON [KR]	<input checked="" type="checkbox"/>
	024	TW419912	01-21-2001	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE.	<input type="checkbox"/>
	025	WO00062456	10-19-2000	SAMSUNG ELECTRONICS CO., LTD. [KR]	<input type="checkbox"/>
	026	WO0126269	04-12-2001	SAMSUNG ELECTRONICS CO., LTD [KR]	<input type="checkbox"/>
	027	WO0169801A2	09-20-2001	INTERDIGITAL TECH CORP [US]	<input type="checkbox"/>
	028	WO02088656	11-07-2002	SENSOR HIGHWAY LIMITED [GB]	<input type="checkbox"/>
	029	WO98026523	06-18-1998	ERICSSON INC. [US]	<input type="checkbox"/>
	030	WO9903224A1	01-21-1999	ERICSSON TELEFON AB L M [SE]	<input type="checkbox"/>

**NON PATENT LITERATURE DOCUMENTS**

<b>Examiner Initials*</b>	<b>Cite No.</b>	<b>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.</b>	<b>T2</b>
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	031	CHUNG, J. et al: "Multiple antenna systems for 802.16 systems." IEEE 802.16 Broadband Wireless Access Working Group < <a href="http://ieee802.org/l6">http://ieee802.org/l6</a> >, IEEE 802.16abc-01/31, 2001-09-07, Pages 1-5.			<input type="checkbox"/>
	032	GORE D. A., ET AL: "Selecting an optimal set of transmit antennas for a low rank matrix channel," 2000 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING. PROCEEDINGS. (ICASSP). ISTANBUL, TURKEY, JUNE 5-9, 2000, NEW YORK, NY; IEEE, US, vol. 5 of 6, 5 June 2000 (2000-06-05), pages 2785-2788, XP001035763, abstract.			<input type="checkbox"/>
	033	The Authoritative Dictionary of IEEE Standards Terms, Seventh Edition, IEEE Press: New York (December 2000), Page 902.			<input type="checkbox"/>
	034	WONG, Cheong. et al., "Multiuser OFDM with Adaptive Subcarrier, Bit and Power Allocation," October 1999, IEEE Journal on Selected Areas in Communications, Vol. 17, No. 10, pages 1747-1758.			<input type="checkbox"/>

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